AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Withdrawn) An objective lens for an optical disk, comprising a bi-aspherical single lens having a numerical aperture of 0.7 or more, wherein a center thickness of the lens is more than a focal distance.

2. (Withdrawn) The objective lens for the optical disk according to claim 1 wherein an image forming magnification in a design reference wavelength is 0 times.

3. (Withdrawn) The objective lens for the optical disk according to claim 1 wherein the design reference wavelength is shorter than 0.45 μm.

4. (Withdrawn) The objective lens for the optical disk according to claim 1 wherein the focal distance is shorter than 4.0 mm and longer than t represented by the following equation:

$t = d/n + 0.9$ (mm),

in which d denotes a thickness of the optical disk, and n denotes a refractive index of the optical disk.

5. (Withdrawn) An objective lens for an optical disk, comprising a single lens having at least one surface formed in an aspheric shape and having a numerical aperture of 0.7 to 0.8 and an operation distance of 0.2 mm or more, and satisfying the following condition:

$0.85 < d_1/f < 1.5$;

$0 > d_1/R2 > -0.7$; and

$n > 1.6$,

in which f denotes a focal distance of the lens, d_1 denotes a center thickness of the lens, R2 denotes a curvature radius in a vertex of the lens on an optical disk side, and n denotes a refractive index of the lens.

6. (Withdrawn) The objective lens for the optical disk according to claim 5 wherein the focal distance is 2.2 mm or less.

7. (Withdrawn) The objective lens for the optical disk according to claim 5 wherein a thickness of a transmission layer of the optical disk is 0.3 mm or less.

8.   (Currently Amended) An objective lens for an optical disk including a transmission layer having a thickness of 0.3 mm or less, comprising:

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a single lens having a first surface on a light source side and a second surface on an optical disk side and at least one ~~surface~~ of the first and second surfaces formed in an aspheric shape, [[and]] having a numerical aperture of 0.78 or more, converging a light, which is emitted by a light source and enters the first surface, at a focal point outside the lens, and satisfying the following condition:

$d_1/f > 1.2$;

$0.65 < R1/f < 0.95$;

$|R1/R2| < 0.7$; and

$n > 1.65$,

in which f denotes a focal distance of the lens, d_1 denotes a center thickness of the lens, R1 denotes a curvature radius in a vertex of the ~~lens on a light source side~~ first surface, R2 denotes a curvature radius in a vertex of the ~~lens on a n optical disk side~~ second surface, and n denotes a refractive index of the lens; and

having a working distance of 0.3 mm or more, and having a wavefront aberration of 0.04 λ (λ is a design reference wavelength) or less when [[a]] the first surface and [[a]] the second surface are not co-axial by 5μm.

9.   (Canceled)

10.   (Canceled)